

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9 (canceled)

1 Claim 10 (currently amended): Sample-taking
2 device, comprising a body (1) inside which there is a
3 rotating plug (4) through which two drillings (24, 25)
4 have been made, separated by an angle equal to an angle
5 separating two orifices (22, 23) penetrating the body (1)
6 and which are an inlet orifice and an outlet orifice, and
7 respectfully leading into a sample intake pipe and
8 discharge pipe, the body also being perforated by a
9 sample-taking orifice (18) provided with a ~~calibrated~~
10 check valve (19) located ~~between~~ at the bottom of a
11 cylindrical chamber (12) contained in the body and
12 partially delimited by the rotating plug (4), the device
13 also comprising a piston (11) free to move in the
14 rotating plug (4) towards and away from the bottom and
15 delimiting the chamber on the side opposite the bottom.

1 Claim 11 (original): Sample-taking device
2 according to claim 10, characterized in that the bottom

3 of the chamber (12) is delimited by a base (10) of the
4 rotating plug (4), the sampling orifice (18) is located
5 on a circumference of the body common to the inlet and
6 outlet orifices, and is separated from one of the inlet
7 and outlet orifices (22, 23) by the angle between the
8 drillings (24, 25) in the rotating plug.

1 Claim 12 (original): Sample-taking device
2 according to either of claim 10, characterized in that an
3 opening is formed in the body (1) opposite the bottom of
4 the chamber, the rotating plug (4) projects from the body
5 at the said opening, and in that the piston is coupled to
6 a manoeuvring device (15) fitted with a portion engaged
7 by threading on the rotating plug.

1 Claim 13 (original): Sample-taking device
2 according to claim 12, characterized in that the said
3 portion of the manoeuvring device is a skirt (32)
4 covering the rotating plug (4) and in that the
5 graduations (33) are marked on the rotating plug.

1 Claim 14 (original): Sample-taking device
2 according to claim 10, characterised in that the rotating
3 plug (4) is separated from the body (1) by a sealing ring
4 (3).

1 Claim 15 (original): Sample-taking device
2 according to claim 14, characterised in that the sealing
3 ring (3) and the body (1) bear on conical surfaces (2),
4 in that the rotating plug (4) is connected to the body
5 (1) through a system for adjusting the position of the
6 rotating plug (4) along a rotation spindle of the
7 rotating plug (4), and in that the sealing ring is in
8 contact with the rotating plug, in the direction of the
9 opening of the conical surfaces.

1 Claim 16 (original): Sample-taking device
2 according to claim 15, characterised in that the layout
3 of the position setting of the rotating plug (4) is
4 composed of a flange (5) formed on the rotating plug (4)
5 and provided with adjustment screws (7) bearing on the
6 body (1).

1 Claim 17 (original): Sample-taking device
2 according to claim 16, characterised in that the flange
3 (5) is provided with a stop pin (34) preventing rotation
4 of the rotating plug (4) and the body (1) is provided
5 with holes (37) formed on a circular trajectory of the
6 pin (34) when the rotating plug (4) is rotated, and that
7 define the preferred stop positions for the rotating
8 plug.

Appl. No. 10/018,157

Amdt. Dated December 31, 2003

Reply to Office action of October 3, 2003

1 Claim 18 (currently amended): Sample-taking device
2 according to claim 12, ~~characterised in that it comprises~~
3 comprising a manoeuvring device (9) for the rotating plug
4 opposite to the piston manoeuvring device (15).